

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:  
Mitsunori SAKAMA et al  
Serial No.: Not Assigned  
Filed: Herewith  
Art Unit:  
For: SEMICONDUCTOR DEVICE AND A  
METHOD OF MANUFACTURING THE SAME

"Express Mail" Mailing Label No. EV 321710896

Date of Deposit September 24, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Name: Yue X. Lu  
(typed or printed)

Signature Yue X. Lu

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. A copy of each of the references was submitted to the Patent Office or was cited by the Examiner in the parent application, Serial No. 09/584,617, filed May 31, 2000, which is being relied upon for an earlier filing date under 35 U.S.C. 120 (37 C.F.R. §1.98(d)).

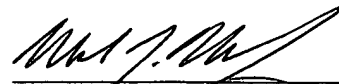
No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

A first office action, notice of allowance or issue fee notification has not been received in this case, so applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

Respectfully submitted,



---

Mark J. Murphy  
Registration No: 34,225

COOK, ALEX, McFARRON, MANZO,  
CUMMINGS & MEHLER, LTD.  
200 West Adams Street  
Suite 2850  
Chicago, Illinois 60606  
(312) 236-8500

LIST OF PUBLICATIONS CITED BY APPLICANT			Atty Docket No. 0553-0185.01	Serial No. Not Assigned		
			Applicant Mitsunori SAKAMA et al			
			Filing Date Herewith	Group		
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,323,042	06/21/94	Matsumoto	257	57	11/13/92
	5,970,384	10/19/99	Yamazaki et al	438	795	08/02/95
	6,166,414	12/26/00	Miyazaki et al	257	369	08/25/99
	6,198,133 B1	03/06/01	Yamazaki et al	257	347	02/16/99
	6,281,552 B1	08/28/01	Kawasaki et al	257	350	03/22/00
	6,306,694 B1	10/23/01	Yamazaki et al	438	151	03/10/00
	6,399,988 B1	06/04/02	Yamazaki	257	344	03/22/00
	6,429,483 B1	08/06/02	Teramoto	257	347	03/12/99
	6,524,895 B1	02/25/03	Yamazaki et al	438	149	12/23/99
	6,531,713 B1	03/11/03	Yamazaki	257	59	03/17/00
	6,534,826 B1	03/18/03	Yamazaki	257	336	04/27/00
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
	JP 4-369271	12/22/92	Casio Computer Co.	X	X	06/17/91
	JP 5-102483	04/23/93	Sharp Corp.	X	X	10/09/91
	JP 7-335900	12/22/95	Semiconductor Energy Lab Co. Ltd.	X		06/09/94
	JP 8-078329	03/22/96	Semiconductor Energy Lab Co. Ltd.	X		09/05/94
	JP 10-135468	05/22/98	Semiconductor Energy Lab Co. Ltd.	X		10/24/96
	JP 10-135469	05/22/98	Semiconductor Energy Lab Co. Ltd.	X		10/24/96

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

(Include name of author (in CAPITAL LETTERS), title of article or item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages(s), volume-issue number(s), publisher, city and/or country where published).

- 1) TERADA, H. et al, "Half-V Switching Mode FLCD," Proceedings of the 46<sup>th</sup> Applied Physics Association Lectures, 28p-V-8, p.1316, March, 1999.
- 2) YOSHIHARA, T. et al, "Time Division Full Color LCD by Ferroelectric Liquid Crystal," EKISHO, vol. 3, no. 3, pp. 190-194, 1999.

EXAMINER:

DATE CONSIDERED:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

LIST OF PUBLICATIONS CITED BY APPLICANT			<u>Atty. Docket No.</u> 0553-0185.01		<u>Serial No.</u> Not Assigned	
			<u>Applicant</u> Mitsunori SAKAMA et al			
			<u>Filing Date</u> Herewith		<u>Group</u>	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,247,190	09/21/93	Friend et al	257	40	12/28/90
	5,399,502	03/21/95	Friend et al	437	1	05/05/93
	5,504,020	04/02/96	Aomori et al	437	40	09/16/94
	5,640,067	06/17/97	Yamauchi et al	313	504	03/18/96
	5,643,826	07/01/97	Ohtani et al	437	88	10/25/94
	5,897,328	04/27/99	Yamauchi et al	438	29	05/13/97
	5,923,962	07/13/99	Ohtani et al	438	150	04/28/95
	5,970,384	10/19/99	Yamazaki et al	438	795	08/02/95
	6,461,899 B1	10/08/02	Kitakado et al	438	149	04/26/00
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
	WO 90/13148	11/01/90	Cambridge Research & Innovation Ltd.			04/18/90
	JP 7-130652	05/19/95	Semiconductor Energy Lab Co. Ltd.	X		10/29/93
	JP 8-055846	02/27/96	Semiconductor Energy Lab Co. Ltd.	X	X	08/11/94
	JP 8-055847	02/27/96	Semiconductor Energy Lab Co. Ltd.	X	X	08/11/94
	JP 8-055848	02/27/96	Semiconductor Energy Lab Co. Ltd.	X	X	08/11/94
	JP 10-092576	04/10/98	Cambridge Display Technology Ltd.	X		04/18/97
	JP 10-247735	09/14/98	Semiconductor Energy Lab Co. Ltd.	X		03/03/97

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages)

- 3) YEH, J.L. et al, "Structural and Optical Properties of Amorphous Silicon Oxynitride," J. Appl. Phys., vol. 79, no. 2, pp. 656-663, January 15, (1996).
- 4) SCHENK, H. et al, "Polymers for Light Emitting Diodes," EURODISPLAY '99, Proceedings of the 19<sup>th</sup> International Display Research Conference, Berlin, Germany, September 6-9, 1999, pp. 33-37 (1999).

EXAMINER:

DATE CONSIDERED:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

LIST OF PUBLICATIONS CITED BY APPLICANT	<u>Atty. Docket No.</u> 0553-0185.01	<u>Serial No.</u> Not Assigned
	<u>Applicant</u> Mitsunori SAKAMA et al	
	<u>Filing Date</u> Herewith	<u>Group</u>

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,594,569	01/14/97	Konuma et al	349	122	07/20/94

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages)

	5) INUI, S. et al, "Thresholdless Antiferroelectricity in Liquid Crystals and its Application to Displays," J. Mater. Chem., vol. 6, no. 4, pp. 671-673, (1996). 6) YOSHIDA, T. et al, "A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time," SID 97 Digest, pp. 841-844, (1997). 7) FURUE, H. et al, "Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCDC Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability," SID 98 Digest, pp. 782-785, (1998).
--	--

EXAMINER:	DATE CONSIDERED:
-----------	------------------

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.